

Datasheet: 4670-1759

BATCH NUMBER 0513

Description:	RABBIT ANTI HUMAN GLUCOSE TRANSPORTER 5
Specificity:	GLUCOSE TRANSPORTER 5
Other names:	GLUT5
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			1/50 - 1/200
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/150 - 1/500

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Does not react with: Mouse, Rat
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	A synthetic peptide (ELKELPPVTSEQ) corresponding to the carboxy terminus of the human GLUT 5. To accomodate KLH conjugation a cysteine was added to the N-terminal.
External Database Links	<p>UniProt: P22732 Related reagents</p> <p>Entrez Gene: 6518 SLC2A5 Related reagents</p>
Synonyms	GLUT5
RRID	AB_620679
Specificity	<p>Rabbit anti Human Glucose Transporter 5 antibody recognizes Solute carrier family 2, facilitated glucose transporter member 5, also known as the Glucose 5 transporter, "glucose transporter type 5, small intestine", GLUT5 or Fructose transporter. Glucose Transporter 5 catalyses the uptake of D-fructose into cells. Glucose Transporter 5 is a 501 amino acid ~55 kDa multiple pass transmembrane glycoprotein protein expressed in the plasma membrane and found mainly in intestinal tissue, kidney, and spermatozoa. (UniProt: P22732).</p> <p>Increased intestinal levels of GLUT5 are seen in type 2 diabetes.</p>
References	1. Mahraoui, L. <i>et al.</i> (1992) Expression and localization of GLUT-5 in Caco-2 cells, human small intestine, and colon. Am J Physiol. 263 (3 Pt 1): G312-8.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody.</p> <p>Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/4670-1759 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M363140:200528'

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)